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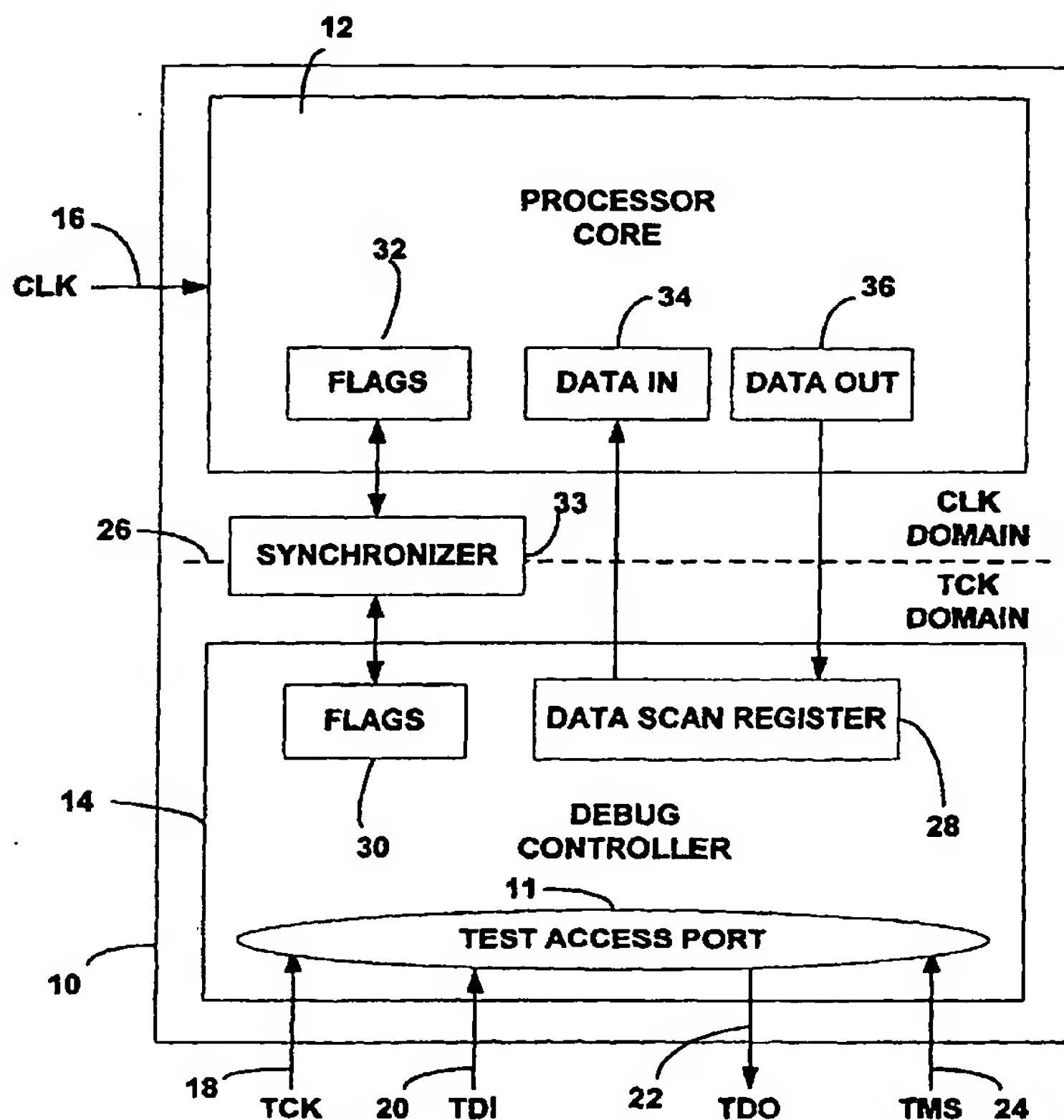
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(54) Title: **DATA SYNCHRONIZATION FOR A TEST ACCESS PORT**



(57) Abstract: In one embodiment, an integrated circuit provides a test access port that communicates with scan chain registers in a processor core. The integrated circuit synchronizes data transferred between a debug controller that operates under control of a test clock (TCK) and the processor core that operates under control of a processor clock (CLK).

WO 02/048722 A3

## INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01R31/3185

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 935 266 A (THURNHOFER STEFAN ET AL) 10 August 1999 (1999-08-10) column 5, line 40 -column 6, line 17 ---	1-25
Y	US 5 900 753 A (COTE JEAN-FRANCOIS ET AL) 4 May 1999 (1999-05-04) column 1, line 8 -column 2, line 45 ---	1-25
A	TIETZE/SCHENK: "Halbleiter-Schaltungstechnik" 1999, SPRINGER VERLAG, BERLIN XP002225582 page 709, paragraph 2; figure 9.44 --- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- \*G\* document member of the same patent family

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 602 878 A (CROSS LEONARD W) 11 February 1997 (1997-02-11) column 1, line 9 - line 14; figures 1,2 column 1, line 62 -column 2, line 4 column 3, line 44 -column 4, line 16 -----	1-25

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5935266	A	10-08-1999	NONE	
US 5900753	A	04-05-1999	CA 2233493 A1	28-09-1998
US 5602878	A	11-02-1997	NONE	